

Missouri Department of Natural Resources
Outreach and Assistance Center

In This Issue ...

- ◆ 2003 Exam Schedule
- ◆ Missouri One Call Registration
- ◆ Operator Seeking Position
- ◆ Position Wanted
- ◆ Training Schedule

Water & Wastewater Digest

Vol. XXVIII, No. 6

November/December 2002

SDWC Adopts Radionuclide and Filter Backwash Rules and DWSRF Intended Use Plan

The Safe Drinking Water Commission met Tuesday, July 16, in Jefferson City. The commission approved three decision items.

The commission approved changes to the drinking water rules that adopt federal rules on radionuclides and filter backwash recycling (FBR). The FBR rule requires drinking water systems using surface water to recycle filter backwash through the treatment process to enhance microbial control. The radionuclide rule sets a maximum contaminant level for uranium of 30 micrograms per liter for uranium and modifies radionu-

clide monitoring requirements. The state rules affected by this rulemaking are 10 CSR 60-4.050 and 10 CSR 60-4.060. The updated Code of State Regulations will become effective Nov. 30, 2002.

The commission also adopted the fiscal year 2002 Drinking Water State Revolving Fund Intended Use Plan. The IUP describes the intended use of federal and state funds in the Drinking Water State Revolving Fund. Steve Jones of the Public Drinking Water Program explained to the commission that the applications received by the fall 2001 deadline fell short of the funding avail-

able by about \$15 million. The application deadline was extended to May 1, 2002, and sufficient additional applications were received to utilize the funding available. Overall, the total project loan fund approved by the commission in this IUP is \$104,268,260.

For more information, contact the following Public Drinking Water Program staff at 1-800-361-4827 or (573) 751-5331: on the filter backwash recycling rule, Breck Summerford; on the radionuclide rule, Ken Duzan; on the DWSRF IUP, Jones; on future Safe Drinking Water Commission meetings, Cynthia Bowser.

A Passing of the Torch

After 12 years of service with the Missouri Department of Natural Resources, Operator Certification Unit, Cheryl Johnson officially retires November 30, 2002. Cheryl is usually one of the first people you talk to when requesting information concerning water or wastewater operator certification or training.

She has been with the state for 27 years, the last 12 have been with Operator Certification and Training Unit. Early in her career she worked for the Department of Social Service and U.S. Environmental Protection Agency. She holds a "D" level wastewater certificate.

Her responsibilities have been ever increasing over the years. Cheryl coordinates the paperwork for nearly 8,500 operators including processing 2,500 certification renewals, 1,500 examinations and numerous reciprocity requests annually. In addition she has been the co-editor of the Water and Wastewater Digest and handles dozens of phone calls daily from operators requesting information about training or certification issues.

In recent months the Missouri Water



and Wastewater Conference, and the Missouri Rural Water Association have recognized her exceptional efforts in assisting the water and wastewater operators of Missouri with their certification and training needs.

On the personal side Cheryl is a professional cake decorator and is active in ceramics and gardening. She is married to Charles "Charlie" Johnson and has three children and four grandchildren.

Both department staff and Missouri's operators will sincerely miss her talent, dedication, humor and friendship. Feel free to give her a call and wish her well.

Best of Luck Cheryl!

Department of Natural Resources Operator Certification and Training Unit 2003 Examination Schedule

Date	Session No.	Location(s)	Filing Deadline
January 7	1	Southeast Regional Office, Poplar Bluff	December 7
	2	Southwest Regional Office, Springfield	
	3	Conference Center, 1738 E. Elm, Jefferson City	
February 4	4	Northeast Regional Office, Macon	January 4
	5	Kansas City Regional Office, Lee's Summit	
	6	Conference Center, 1738 E. Elm, Jefferson City	
March 3	7	Powder Valley Nature Center, St. Louis	February 3
March 4	8	Conference Center, 1738 E. Elm, Jefferson City	February 4
April 1	9	Southeast Regional Office, Poplar Bluff	March 1
	10	Southwest Regional Office, Springfield	
	11	Conference Center, 1738 E. Elm, Jefferson City	
May 6	12	Northeast Regional Office, Macon	April 6
	13	Kansas City Regional Office, Lee's Summit	
	14	Conference Center, 1738 E. Elm, Jefferson City	
June 2	15	Powder Valley Nature Center, St. Louis	May 2
June 3	16	Conference Center, 1738 E. Elm, Jefferson City	May 3
July 1	17	Southeast Regional Office, Poplar Bluff	June 1
	18	Southwest Regional Office, Springfield	
	19	Conference Center, 1738 E. Elm, Jefferson City	
August 5	20	Northeast Regional Office, Macon	July 5
	21	Kansas City Regional Office, Lee's Summit	
	22	Conference Center, 1738 E. Elm, Jefferson City	
September 2	23	Conference Center, 1738 E. Elm, Jefferson City	August 2
September 8	24	Powder Valley Nature Center, St. Louis	August 8
October 7	25	Southeast Regional Office, Poplar Bluff	September 2
	26	Southwest Regional Office, Springfield	
	27	Conference Center, 1738 E. Elm, Jefferson City	
November 4	28	Northeast Regional Office, Macon	October 4
	29	Kansas City Regional Office, Lee's Summit	
	30	Conference Center, 1738 E. Elm, Jefferson City	
December 1	28	Powder Valley Nature Center, St. Louis	November 1
December 2	29	Conference Center, 1738 E. Elm, Jefferson City	November 2

Regular wastewater examinations are scheduled for 9:00 a.m., and the water supply examinations are scheduled for 1:00 p.m.
unless otherwise noted on the admission letter.

Deadline Fast Approaches for Mandatory Missouri One Call Registration

Missouri utilities having underground facilities, and located in a first or second class county must be a member of the Missouri One Call System by January 1, 2003. Here's what the law says:

MO State Statute 319.022

1. Owners and operators of underground pipeline facilities in compliance with federal law shall, and owners and operators of other underground facilities may, participate in a notification center. The provisions of this subsection shall expire on December 31, 2002.
2. All owners and operators of underground facilities which are located in a county of the first classification or second classification within the state who are not members of a notification center on August 28, 2001, shall become participants in the notification center prior to January 1, 2003. Any person who installs or otherwise becomes an owner or operator of an underground facility which is located within a county of the first classification or second classification on or after January 1, 2003, shall become a participant in the notification center within thirty days of acquiring or operating such underground facility. Beginning January 1, 2003, all owners and operators of underground facilities which are located in a county of the first classification or second classification within the state shall maintain participation in the notification center.
3. All owners and operators of underground facilities which are located in a county of the third classification or fourth classification within the

state who are not members of a notification center on August 28, 2001, shall become participants in the notification center prior to January 1, 2003. Any person who installs or otherwise becomes an owner or operator of an underground facility which is located within a county of the third classification or fourth classification on or after January 1, 2003, shall become a participant in the notification center within thirty days of acquiring or operating such underground facility. Beginning January 1, 2003, all owners and operators of underground facilities which are located in a county of the third classification or fourth classification within the state shall maintain participation in the notification center.

4. The notification center shall maintain in its offices and make available to any person upon request a current list of the names and addresses of each owner and operator participating in the notification center, including the county or counties wherein each owner or operator has underground facilities.



The notification center may charge a reasonable fee to persons requesting such list as is necessary to recover the actual costs of printing and mailing.

5. Excavators shall be informed of the availability of the

list of participants in the notification center required in subsection 3 of this section in the manner provided for in section 319.024.

6. An annual audit or review of the notification center shall be performed by a certified public accountant and a report of the findings submitted to the speaker of the house of representatives and the president pro tem of the senate.

For more information on Missouri One Call try this link:

[<http://www.mo1call.com/>].

Operator Seeking Position

20 years experience in wastewater field to include industrial treatment.

Has chemistry major, 'A' level wastewater certified.

For more information please contact: Richard Willis (816) 931-9789.

Position Wanted

Public works assistance or director. Background experience in: building codes (ICBO), inspector, plan review, code enforcement. Also holds MO A wastewater license, and experience with activated sludge and SBR plants. Working knowledge of SSO, CMON and GASBY 34.

Contact Alvin E. Kennedy at (816) 373-8010.

Laboratory Holidays

The state health laboratory will be closed on the following state holidays:

November 28 & 29, 2002, Thanksgiving



Missouri Department of Natural Resources

Approved Training Courses

Please contact the course coordinator at the phone number listed below their name for more information

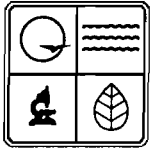
<u>Course Title</u> <u>Course Number</u>	<u>Course Location</u> <u>Sponsored By</u>	<u>Course Coordinator</u> <u>Coord. Phone No.</u>	<u>First/Last Day</u>	<u>Number</u> <u>of Days</u>	<u>Renewal</u> <u>Credit Hours</u> <u>Drinking--Dist--WasteW--CAFO</u>				
Chlorine& Chlorine Safety 02-01-712	Grain Valley MRWA	Randy Norden 573-657-5533	11/14/02 11/14/02	1	6.5	6.5	6.5	6.5	6.5
W & WW Operator Training 02-06-486	St Peters EC Mo MWWC	Tom Aaron 636-926-9222	11/15/02 11/15/02	1	4.0	0.0	6.5	0.0	0.0
Meters & Coatings 02-05-731	Nevada MWWC	Sandi Miller 573-761-0376	11/18/02 11/18/02	1	5.5	5.5	3.5	0.0	0.0
3 Day Distribution Seminar 02-04-824	West Plains MWWC	Sandi Miller 573-761-0376	11/19/02 11/21/02	3	18.0	18.0	5.0	0.0	0.0
Adv. W&WW Microbiology 02-03-814	Rolla MWWC	Sandi Miller 573-761-0376	11/19/02 11/19/02	1	6.5	6.5	6.5	0.0	0.0
Intro Wastewater Lab-Part A 02-04-818	Poplar Bluff MoDNR/EAO	Lorene Lindsay 816-797-7753	11/19/02 11/22/02	4	8.0	0.0	30.0	6.0	6.0
Pump & Motor Maintenance 02-05-805	Springfield ERC	Autumn Sweet 800-848-8726	11/19/02 11/20/02	2	15.0	15.0	15.0	15.0	15.0
Water Distribution Workshop 02-01-753	Savannah Bluff'sEdge Env	Randy Johnson 573-897-4458	11/19/02 11/19/02	1	5.5	5.5	5.5	5.5	5.5
Backflow Basics 02-06-804	Hillsboro ERC	Autumn Sweet 800-848-8726	11/20/02 11/20/02	1	5.0	5.0	5.0	5.0	5.0
Teletouch-All Things Wireless 02-04-574	Marble Hill MWWC	Sandi Miller 573-761-0376	11/20/02 11/20/02	1	6.5	6.5	6.5	0.0	0.0
Chlorine& Chlorine Safety 02-05-713	Ozark MRWA	Randy Norden 573-657-5533	11/21/02 11/21/02	1	6.5	6.5	6.5	0.0	0.0
Land Application of Sludge 02-02-558	Macon MoDNR/NERO	Keith Phipps 660-385-2129	11/26/02 11/26/02	1	2.0	0.0	6.0	2.0	2.0
Intro Wastewater Lab-Part A 02-01-819	St Joe MoDNR/EAO	Lorene Lindsay 816-797-7753	12/04/02 12/11/02	4	8.0	0.0	30.0	6.0	6.0
Reverse Osmosis Trmt Hands-on 02-09-006	Farmington, NM David Paul Inc	Jenny Lund 877-711-4347	12/04/02 12/06/02	3	22.0	0.0	0.0	0.0	0.0
Chlorine Dioxide& Water Trmt. 02-02-764	Macon MoDNR/NERO	John Gibson 660-385-8003	12/05/02 12/06/02	2	10.5	2.0	1.0	1.0	1.0
Secondary/Trickling Filter 02-04-841	Cape Girardeau Cape Girardeau	Jim Baylor 573-334-5150	12/05/02 12/05/02	1	0.0	0.0	4.0	0.0	0.0
Wastewater Characteristics 02-04-845	Cape Girardeau Cape Girardeau	Jim Baylor 573-334-5150	12/06/02 12/06/02	1	0.0	0.0	2.0	0.0	0.0
Activated Sludge 02-02-542	Macon MoDNR/NERO	Keith Phipps 660-385-2129	12/09/02 12/11/02	2	0.0	0.0	12.0	0.0	0.0
Backflow Prevention Certificat 02-05-806	Neosho ERC	Autumn Sweet 800-848-8726	12/09/02 12/13/02	5	28.0	28.0	28.0	28.0	28.0
Chem. Cleaning Membrane Sys. 02-09-008	Farmington, NM David Paul Inc	Jenny Lund 877-711-4347	12/09/02 12/11/02	3	22.0	0.0	0.0	0.0	0.0
Maintenance/Primary 02-04-843	Cape Girardeau Cape Girardeau	Jim Baylor 573-334-5150	12/09/02 12/09/02	1	2.0	0.0	4.0	0.0	0.0
Quality/Efficiency/Distr./Coll. 02-06-746	Wright City MWWC	Sandi Miller 573-761-5544	12/10/02 12/10/02	1	7.0	7.0	6.5	0.0	0.0
Groundwater Quality/Treatment 02-04-825	Poplar Bluff MWWC	Sandi Miller 573-761-0376	12/11/02 12/11/02	1	5.5	5.5	0.0	0.0	0.0
Chlorine& Chlorine Safety 02-02-714	Silex MRWA	Randy Norden 573-657-5533	12/12/02 12/12/02	1	6.5	6.5	6.5	0.0	0.0
Lab Tests, Meters, Pumps 02-02-739	Trenton MWWC	Sandi Miller 573-761-0376	12/12/02 12/12/02	1	5.5	5.5	5.5	0.0	0.0
Security Issues/Sm.Utilities 02-01-851	Odessa SSES	Lorene Lindsay 816-797-7753	12/12/02 12/12/02	1	6.5	6.5	6.5	0.0	0.0
Water Distribution 02-04-826	Cape Girardeau MWWC	Sandi Miller 573-761-0376	12/12/02 12/12/02	1	5.5	5.5	0.0	0.0	0.0
Flagger Certification Class 02-01-606	Kansas City MARC	John Staples 816-474-4240	12/13/02 12/13/02	1	5.5	5.5	5.5	0.0	0.0
Motor Starters, Contr Devices 02-06-058	Bridgeton Cntr. Tech. Inc	Jennifer Tucker 314-739-6050	12/13/02 12/13/02	1	6.5	6.5	6.5	0.0	0.0
Wastewater Treatment Short Sch 02-05-807	Neosho ERC	Autumn Sweet 800-848-8726	12/16/02 12/20/02	5	11.5	11.5	35.0	0.0	0.0
NPDES Permits & DMRs 02-02-544	Macon MoDNR/NERO	Keith Phipps 660-385-2129	12/18/02 12/18/02	1	0.0	0.0	6.0	0.0	0.0

Missouri Department of Natural Resources

Approved Training Courses

Please contact the course coordinator at the phone number listed below their name for more information

Course Title Course Number	Course Location Sponsored By	Course Coordinator Coord. Phone No.	First/Last Day		Number of Days	Renewal Credit Hours			
						Drinking--	Dist--	WasteW--	CAFO
Chlorine & Chlorine Safety 02-03-836	Richland MRWA	Randy Norden 573-657-5533	12/19/02	12/19/02	1	6.5	6.5	6.5	6.5
Secondary/Trickling Filter 02-04-842	Cape Girardeau Cape Girardeau	Jim Baylor 573-334-5150	12/26/02	12/26/02	1	0.0	0.0	4.0	0.0
Wastewater Characteristics 02-04-846	Cape Girardeau Cape Girardeau	Jim Baylor 573-334-5150	12/27/02	12/27/02	1	0.0	0.0	2.0	0.0
Maintenance/Primary 02-04-844	Cape Girardeau Cape Girardeau	Jim Baylor 573-334-5150	12/30/02	12/30/02	1	2.0	0.0	4.0	0.0
Certification Math Review 03-05-023	Neosho ERC	Autumn Sweet 800-848-8726	01/02/03	01/02/03	1	6.0	6.0	6.0	6.0
Basic math 03-02-001	Macon MoDNR/NERO	Keith Phipps 660-385-2129	01/03/03	01/03/03	1	6.0	6.0	6.0	6.0
Applied Wastewater Math 03-02-002	Macon MoDNR/NERO	Keith Phipps 660-385-2129	01/06/03	01/06/03	1	6.0	6.0	6.0	6.0
Water Treatment Short School 03-05-024	Neosho ERC	Autumn Sweet 800-848-8726	01/06/03	01/10/03	5	35.0	35.0	11.5	0.0
Basic Electricity 03-02-025	Macon ERC	Autumn Sweet 800-848-8726	01/07/03	01/08/03	2	13.0	13.0	13.0	13.0
Well & Pump Indepth Seminar 03-03-030	Jefferson City MWWC	Sandi Miller 573-761-0376	01/07/03	01/07/03	1	6.5	6.5	6.5	6.5
C & D Wastewater Entry Level 03-02-003	Macon MoDNR/NERO	Keith Phipps 660-385-2129	01/08/03	01/31/03	10	21.0	8.5	60.0	6.0
Entry Level Wastewater Trmt 03-06-005	Festus MoDNR/OAC	Lorene Lindsay 816-797-7753	01/08/03	02/06/03	10	14.0	12.0	65.0	8.0
Water Operator Training 03-03-029	Ashland MRWA	Randy Norden 573-657-5533	01/09/03	01/30/03	10	70.0	45.0	31.5	0.0
Basic Electricity 03-05-028	Branson ERC	Autumn Sweet 800-848-8726	01/14/03	01/15/03	2	13.0	13.0	13.0	13.0
Chlorine Safety 03-05-026	Springfield ERC	Autumn Sweet 800-848-8726	01/14/03	01/14/03	1	7.5	7.5	7.5	7.5
Confined Space Entry & Rescue 03-05-027	Springfield ERC	Autumn Sweet 800-848-8726	01/15/03	01/16/03	2	13.0	13.0	13.0	13.0
Intro Wastewater Lab - Part A 03-03-021	Columbia MoDNR/OAC	Lorene Lindsay 816-797-7753	01/15/03	01/22/03	4	8.0	0.0	30.0	6.0
On Site Sewage Systems 03-02-022	Hannible CCWWC	Elizabeth Grove 573-672-3221	01/28/03	01/28/03	1	0.0	0.0	4.5	0.0
Adv. Water Treatment (A&B) 03-02-004	Macon MoDNR/NERO	John Gibson 660-385-2129	02/05/03	03/20/03	14	80.0	40.0	30.0	15.0
Intro Wastewater Lab - Part A 03-05-017	Joplin MoDNR/OAC	Lorene Lindsay 816-797-7753	02/05/03	02/12/03	4	8.0	0.0	30.0	6.0
Entry Level Wastewater Trmt 03-04-007	Sikeston MoDNR/OAC	Lorene Lindsay 816-797-7753	02/25/03	03/26/03	10	14.0	12.0	65.0	8.0
Intro Wastewater Lab - Part B 03-06-011	Warrenton MoDNR/OAC	Lorene Lindsay 816-797-7753	02/26/03	03/05/03	4	4.0	0.0	30.0	2.0
Intro Wastewater Lab - Part A 03-01-020	Lee's Summit MoDNR/OAC	Lorene Lindsay 816-797-7753	03/11/03	03/19/03	4	8.0	0.0	30.0	6.0
Intro Wastewater Lab - Part B 03-05-012	Branson MoDNR/OAC	Lorene Lindsay 816-797-7753	04/01/03	04/09/03	4	4.0	0.0	30.0	2.0
Intro Wastewater Lab - Part B 03-04-010	Cape Girardeau MoDNR/OAC	Lorene Lindsay 816-797-7753	04/15/03	04/18/03	4	4.0	0.0	30.0	2.0
Entry Level Wastewater Trmt 03-05-008	Ozark MoDNR/OAC	Lorene Lindsay 816-797-7753	04/16/03	05/15/03	10	14.0	12.0	65.0	8.0
Intro Wastewater Lab - Part A 03-05-018	Houston MoDNR/OAC	Lorene Lindsay 816-797-7753	05/13/03	05/16/03	4	8.0	0.0	30.0	6.0
Intro Wastewater Lab - Part B 03-03-014	Lake Ozark MoDNR/OAC	Lorene Lindsay 816-797-7753	05/20/03	05/28/03	4	4.0	0.0	30.0	2.0
Entry Level Wastewater Trmt 03-01-006	Gallatin MoDNR/OAC	Lorene Lindsay 816-797-7753	05/28/03	06/26/03	10	14.0	12.0	65.0	8.0
Intro Wastewater Lab - Part B 03-01-013	Lee's Summit MoDNR/OAC	Lorene Lindsay 816-797-7753	06/10/03	06/18/03	4	4.0	0.0	30.0	2.0
Intro Wastewater Lab - Part A 03-06-016	St Louis MoDNR/OAC	Lorene Lindsay 816-797-7753	07/08/03	07/16/03	4	8.0	0.0	30.0	6.0



MISSOURI DEPARTMENT OF NATURAL RESOURCES
Outreach and Assistance Center
P.O. Box 176
Jefferson City, MO 65102-0176

PRSRT STD
U.S. Postage
PAID
Jefferson City, MO 65102
Permit No. 82

DELIVER PROMPTLY. DATED MATERIAL ENCLOSED

Water & Wastewater Digest

New Subscribers? Address Changes? Cancellations?

- ☐ New subscriber? Complete Section 2 below.
- ☐ In the process of moving or already moved? Attach your OLD address label in section 1 and complete section 2. (If you don't have a label, give us your old address.)
- ☐ Cancelling Subscription? Complete Section 1 below.

Operator Certificate Number _____

1. Previous address:

Name _____
Street _____
City _____ State _____ Zip Code _____ - _____

2. Your NEW address:

Name _____
Street _____
City _____ State _____ Zip Code _____ - _____

MAIL TO:

Operator Certification and Training Unit
P.O. Box 176
Jefferson City, MO 65102

As a recipient of federal funds, the Department of Natural Resources cannot discriminate against anyone on the basis of race, color, national origin, age, sex, or handicap. If anyone believes he has subjected to discrimination for any of these reasons, he may file a complaint with either the Department of Natural Resources or the Office of Equal Opportunity, U.S. Department of the Interior, Washington, D.C. 20240.